



* DS8KB31 / DS10KB31 /
DS12KB31 / DS15KB31 /
DS20KB31

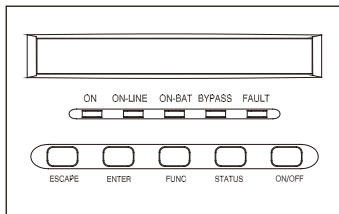
DS8KB31 / DS10KB31 / DS12KB31 / DS15KB31 / DS20KB31 Online Double Conversion 3-phase input 1-phase output UPS

Features

- * Online double conversion design
- * Pure sine wave output with less than 3% THD
- * Fully digitized microprocessor control
- * Power factor correction
- * Selectable UPS output voltage
- * High efficiency mode
- * Cold start function (DC power on)
- * Emergency power off function (EPO)
- * Short circuit and overload protection
- * Fax/Modem/LAN data line surge protection
- * Advanced battery management (ABM)
- * Automatic battery charging in UPS OFF mode
- * Automatic diagnostics and battery check-up
- * Extended battery pack available
- * Multilanguage LCD display
- * RS232 and USB Communication ports, UPS monitoring software

Front Panel

DS8KB31 / DS10KB31 / DS12KB31 /
DS15KB31 / DS20KB31



Specifications

Model Name	DS8KB31	DS10KB31	DS12KB31	DS15KB31	DS20KB31
Topology	True On-Line, Double Conversion				
On-battery Output Waveform	Pure Sine Wave				
INPUT					
Maximum Capacity	8000VA / 5600W	10000VA / 7000W	12000VA/8400W	15000VA/10500W	20000V/14000W
Nominal Input Voltage	208V/360V, 220V/380V, 230V/400V, 240/415V (3phase 5wire)				
Input Voltage Regulation	312-478Vac				
Nominal Input Frequency	50Hz / 60Hz Auto Sensing				
Input Short Protection	Circuit Breaker				
OUTPUT					
Nominal Output Voltage	208 / 220 / 230 / 240 V (⚡, 2 wires) or 110 / 220V (⚡, 3 wires, with Isolation Transformer)				
Output Voltage Regulation	Rated Voltage +/- 2%				
Output T.H.D	<3% T.H.D. at linear load				
High Efficiency Mode (AC to AC)	>97%				
Crest Factor	3:1				
Start on Battery	Yes				
Auto Restart	Yes				
Transfer Time	0 ms				
PROTECTION					
Data Line Surge Protection	RJ11 / RJ45				
BATTERY					
User Replaceable Batteries	BP6000				
Typical Backup Time (Full / Half load)	4 / 13 min	4 / 14 min	6 / 21min	4 / 15min	4 / 14min
Recharge Time to 90%	<4 Hours				
Extended Battery Pack (optional)	BP6000				
ADVANCED WARNINGS / DIAGNOSTICS					
Front Panel	On / On Line / On Battery / Bypass / Fault and 15-UPS status LCD display				
LED Panel	UPS Line-Mode (green) / On (green) / Battery Mode (yellow) / Bypass (yellow) / Fault (red)				
Audible Alarms	Battery Mode / Battery Test / Replace Battery / Low Battery / UPS fault / Overload				
UPS Fault	Continuous beeping sound and LCD display indication				
COMMUNICATIONS INTERFACE					
Communication Port	RS232 & USB				
SNMP Manageable	Yes				
ENVIRONMENTAL					
Operation Temperature	0°~40°C / 32°~104°F				
Relative Humidity	0~95% humidity, non-condensing				
Audible Noise	<55dBA				
Dimensions (Physical / Packing)	(mm)	690X257X715 / 860X415X945	690X342X878 / 888X527X1108	775X342X905 / 945X500X1135	
(LxWxH)	(in)	27.2X10.1X27.6 / 33.9X16.3X36.6	27.2X13.5X34.6 / 29.9X16.3X37.4	29.7X13.5X35.6 / 37.2X19.7X44.7	
Tower Dimensions Inches (Iso)	(mm)	690X342X715 / 860X500X945	690X342X878 / 888X527X1108	755X342X905 / 945X500X1135	
(LxWxH)	(in)	27.2X13.5X28.1 / 33.8X19.7X37.2	27.2X13.5X34.6 / 29.9X16.3X37.4	29.7X13.5X35.6 / 37.2X19.7X44.7	
Weight (Net / Gross)	(lbs)	242.5/286.6	418.9 / 460.8	451.9 / 496	468/505.5
	(kg)	110 / 130	190 / 209	205 / 225	212.5/229.5
Weight (Net / Gross)(Iso)	(lbs)	350.5 / 396.8	529.1 / 571	590.8 / 634.9	633.2/670.7
	(kg)	159 / 180	240 / 259	268 / 288	287.5/304.5
CONFORMANCE					
EMI / RFI Compatibility	CE				
Safety Certifications					

